

a consistent reference time frame source for synchronously converting sub-band signals from analog to digital for measuring the time of arrival of each wideband signal from each said receiver;

a time-of arrival measuring module for calibrating delay from antennas or signal sources to ADC and determining the time of arrival of each wideband signal from each said receiver; and

a module for comparing one or more pairs of said times of arrival if available, and creating Time Difference of Arrival (TDOA) measurements which are interpreted as hyperbolic lines of bearing.

103. A method according to claim 101, wherein said step of determining signal time of arrival of said wideband signals from the plurality of antennas or signal sources further includes steps of comparing one or more pairs of said times of arrival, and creating Time Difference of Arrival (TDOA) measurements which are interpreted as hyperbolic lines of bearing.

104. A system according to claims 36 and 102 further comprises a position-locating module for combining multiple angle-of-arrivals or hyperbolic lines of bearing from spatially distributed antennas or signal sources, and determining geolocation of at least one signal of interest.

105. A method according to claims 49, 70, and 103 further comprises a step of position locating which includes steps of combining multiple angle-of-arrivals or hyperbolic lines of bearing from spatially distributed antennas or signal sources, and determining geolocation of at least one signal of interest.--

REMARKS

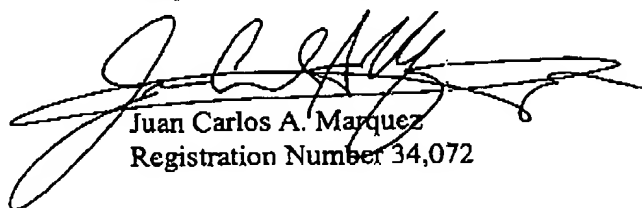
Applicants have added new claims 62-105 corresponding to other embodiments disclosed in the specification. Applicants submit that no new matter has been added to the application by the present Amendment.

First of all, new claims 62-69 were added to the hyperchannelization process according to claim 55. Secondly, an independent claim 70 from which claims 71-73 (Time

Difference of Arrival, TDOA) and claims 78-80 depend (angle-of arrival) was added to claim the method
method for detecting a signal originating from a given direction. Thirdly, claims 74-77 was added to claim the signal characteristic of phase coherent. Fourthly, claims 81-91 were added to claim the beamforming technique. Lastly, claims 92-105 were added to recite in details the TDOA and angle-of arrival technique as applicable to the present invention.

Accordingly, Applicants submit that the detailed amendments are fully supported by the specification.

Respectfully submitted,



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